

PF-0302 US

<110> LAL, Preeti  
AZIMZAI, Yalda  
TANG, Y. Tom

<120> CYTOCHROME P450 VARIANT

<130> PF-0302 US

<140> To Be Assigned

<141> Herewith

<150> 60/218,934

<151> 2000-07-14

<160> 2

<170> PERL Program

<210> 1

<211> 504

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2515656CD1

<400> 1

Met	Ala	Leu	Ser	Gln	Ser	Val	Pro	Phe	Ser	Ala	Thr	Glu	Leu	Leu
1				5					10					15
Leu	Ala	Ser	Ala	Ile	Phe	Cys	Leu	Val	Phe	Trp	Val	Leu	Lys	Gly
				20					25					30
Leu	Arg	Pro	Arg	Val	Pro	Lys	Gly	Leu	Lys	Ser	Pro	Pro	Gln	Pro
				35					40					45
Trp	Gly	Trp	Pro	Leu	Leu	Gly	His	Val	Leu	Thr	Leu	Gly	Lys	Asn
				50					55					60
Pro	His	Leu	Ala	Leu	Ser	Arg	Met	Ser	Gln	Arg	Tyr	Gly	Asp	Val
				65					70					75
Leu	Gln	Ile	Arg	Ile	Gly	Ser	Thr	Pro	Val	Leu	Val	Leu	Ser	Arg
				80					85					90
Leu	Asp	Thr	Ile	Arg	Gln	Ala	Leu	Val	Arg	Gln	Gly	Asp	Asp	Phe
				95					100					105
Lys	Gly	Arg	Pro	Asp	Leu	Tyr	Thr	Ser	Thr	Leu	Ile	Thr	Asp	Gly
				110					115					120
Gln	Ser	Leu	Thr	Phe	Ser	Thr	Asp	Ser	Gly	Pro	Val	Trp	Ala	Ala
				125					130					135
Arg	Arg	Arg	Leu	Ala	Gln	Asn	Ala	Leu	Asn	Thr	Phe	Ser	Ile	Ala
				140					145					150
Ser	Asp	Pro	Ala	Ser	Ser	Ser	Ser	Cys	Tyr	Leu	Glu	Glu	His	Val
				155					160					165
Ser	Lys	Glu	Ala	Lys	Ala	Leu	Ile	Ser	Arg	Leu	Gln	Glu	Leu	Met
				170					175					180
Ala	Gly	Pro	Gly	His	Phe	Asp	Pro	Tyr	Asn	Gln	Val	Val	Val	Ser
				185					190					195
Val	Ala	Asn	Val	Ile	Gly	Ala	Met	Cys	Phe	Gly	Gln	His	Phe	Pro
				200					205					210
Glu	Ser	Ser	Asp	Glu	Met	Leu	Ser	Leu	Val	Lys	Asn	Thr	His	Glu
				215					220					225
Phe	Val	Glu	Thr	Ala	Ser	Ser	Gly	Asn	Pro	Leu	Asp	Phe	Phe	Pro
				230					235					240
Ile	Leu	Arg	Tyr	Leu	Pro	Asn	Pro	Ala	Leu	Gln	Arg	Phe	Lys	Ala

	245		250		255
Phe Asn Gln Arg	Phe Leu Trp Phe Leu	Gln Lys Thr Val Gln Glu			
	260		265		270
His Tyr Gln Asp	Phe Asp Lys His Ser	Lys Lys Gly Pro Arg Ala			
	275		280		285
Ser Gly Asn Leu	Ile Pro Gln Glu Lys	Ile Val Asn Leu Val Asn			
	290		295		300
Asp Ile Phe Gly	Ala Gly Phe Asp Thr	Val Thr Thr Ala Ile Ser			
	305		310		315
Trp Ser Leu Met	Tyr Leu Val Thr Lys	Pro Glu Ile Gln Arg Lys			
	320		325		330
Ile Gln Lys Glu	Leu Asp Thr Val Ile	Gly Arg Glu Arg Arg Pro			
	335		340		345
Arg Leu Ser Asp	Arg Pro Gln Leu Pro	Tyr Leu Glu Ala Phe Ile			
	350		355		360
Leu Glu Thr Phe	Arg His Ser Ser Phe	Leu Pro Phe Thr Ile Pro			
	365		370		375
His Ser Thr Thr	Arg Asp Thr Thr Leu	Asn Gly Phe Tyr Ile Pro			
	380		385		390
Lys Lys Cys Cys	Val Phe Val Asn Gln	Trp Gln Val Asn His Asp			
	395		400		405
Pro Glu Leu Trp	Glu Asp Pro Ser Glu	Phe Arg Pro Glu Arg Phe			
	410		415		420
Leu Thr Ala Asp	Gly Thr Ala Ile Asn	Lys Pro Leu Ser Glu Lys			
	425		430		435
Met Met Leu Phe	Gly Met Gly Lys Arg	Arg Cys Ile Gly Glu Val			
	440		445		450
Leu Ala Lys Trp	Glu Ile Phe Leu Phe	Leu Ala Ile Leu Leu Gln			
	455		460		465
Gln Leu Glu Phe	Ser Val Pro Pro Gly	Val Lys Val Asp Leu Thr			
	470		475		480
Pro Ile Tyr Gly	Leu Thr Met Lys His	Ala Arg Cys Glu His Val			
	485		490		495
Gln Ala Arg Leu	Arg Phe Ser Ile Asn				
	500				

<210> 3  
 <211> 1790  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2515666CB1

<400> 2  
 cagccattac aaccctgcc aatctcaagca cctgcctcta cagttggtac agatggcatt 60  
 gtcccagtct gttcccttct cggccacaga gcttctcctg gcctctgcc a tttctgcct 120  
 ggtattcttg gtgctcaagg gtttgaggcc tccgggtccc aaaggcctga aaagtccacc 180  
 acagccatgg ggctggcct tgcctgggca tgtgctgacc ctggggaaga acccgacct 240  
 ggcactgtca aggatgagcc agcgtacgg ggagctcctg cagatccgca ttggctccac 300  
 gccctgctg gtgctgagcc gccctggacac catccggcag gccctggtgc ggcagggcga 360  
 cgatttcaag ggccggcctg acctctacac ctccaccctc atcactgatg gccagagctt 420  
 gaccttcagc acagactctg gaccggtgtg ggctgcccgc cggcgccctg ccagagaatgc 480  
 cctcaacacc ttctccatcg cctctgaccc agcttctca tctctctgct acctggagga 540  
 gcatgtgagc aaggaggcta aggcctgat cagcagggtg caggagctga tggcagggcc 600  
 tgggcacttc gacccttaca atcaggtggt ggtgtcagtg gccaacgtca ttggtgccat 660  
 gtgcttcgga cagcacttcc ctgagagtag cgatgagatg ctcagcctcg tgaagaacac 720  
 tcatgagttc gtggagactg cctcctccgg gaacccctg gacttcttcc ccctccttcg 780  
 ctacctgctt aaccctgccc tgcagaggtt caagggcttc aaccagaggt tctgtggtt 840  
 cctgcagaaa acagtccagg agcactatca ggactttgac aagcacagca agaagggggcc 900

PF-0802 US

tagagccagc	ggcaacctca	teccacagga	gaagattgtc	aaccttgtea	atgacatctt	960
tgagcagga	tttgacacag	teaccacagc	catctcctgg	agcctcatgt	accttggtgac	1020
caagcctgag	atacagagga	agatccagaa	ggagctggac	actgtgattg	gcagggagcg	1080
gcggccccgg	ctctctgaca	gaccccagct	gccctacttg	gaggecttca	tcctggagac	1140
cttcgcacac	tcctccttct	tgcccttcac	catccccac	agcacaacaa	gggacacaac	1200
gctgaatggc	ttctacatcc	ccaagaaatg	ctgtgtcttc	gtaaaccagt	ggcaggtcaa	1260
ccatgaccca	gagctgtggg	aggacccctc	tgagttccgg	cctgagcggt	tcctcaccgc	1320
cgatggcact	gccattaaca	agcccttgag	tgagaagatg	atgctgtttg	gcctgggcaa	1380
gcgcgggtgt	atcggggaag	tcctggccaa	gtgggagatc	ttcctcttcc	tggccatcct	1440
gctacagcaa	ctggagtcca	gcgtgccgcc	gggcgtgaaa	gtcgacctga	cccccatcta	1500
cgggctgacc	atgaagcacg	cccgtgtga	acatgtccag	gcgcggctgc	gcttctccat	1560
caactgaaga	agacaccacc	attctgaggc	cagggagcga	gtgggggcca	gccacgggga	1620
ctcagccctt	gtttctcttc	ctttcttttt	ttaaaaaata	gcagctttag	ccaagtgcag	1680
ggcctgtaat	cccagcattt	tgggaggcca	aggttggagg	atcatttgag	cccaggagtt	1740
ggaaagcagc	ctggccaaca	tagtggggacc	ctgtctctac	aaaaaaaaaa		1790